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1-18-02

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Rhonda Etienne
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Date

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JAN 16 2002

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Serial No: 09/932,291
Confirmation No.: 4770
Filed: August 17, 2001
Applicant: Gary L. Cantrell et al.
Title: **MULTICOMPONENT ASSEMBLIES HAVING ENHANCED
BINDING PROPERTIES FOR DIAGNOSIS AND THERAPY**
Art Unit: 1646
Examiner: Unknown
Atty Dock: MRD-53

Cincinnati, Ohio 45202

January 2, 2002

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith which is imposed by Rule 56 (37 C.F.R. §1.56), the art listed on the attached form PTO-1449 is called to the attention of the U.S. Patent and Trademark Office in connection with the above-identified patent application. Copies of the

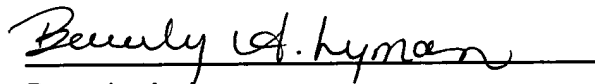
cited references are attached hereto. No representation is made that the cited art is the only art or that the cited art represents the best art.

The Examiner is urged to consider the cited references and to make an independent decision with respect to their materiality.

No fees are believed to be due. However, if any additional fees are necessary to complete this communication, please apply them to Deposit Account 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

A handwritten signature in cursive script, reading "Beverly A. Lyman", is written over a horizontal line.

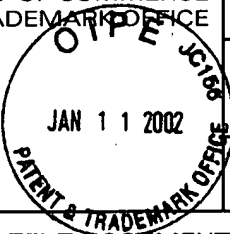
Beverly A. Lyman

Reg. No. 41,961

2700 Carew Tower
441 Vine Street
Cincinnati OH 45202
(513) 241-2324 (office)
(513) 421-7269 (facsimile)

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE										ATTY. DOCKET NO. MRD/53		SERIAL NO. 09/932,291							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT																			
(Use several sheets if necessary) (37 CFR 1.98(b))																			
U.S. PATENT & TRADEMARK OFFICE																			
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE		PATENTEE		CLASS		SUBCLASS		FILING DATE IF APPROPRIATE			
		A.A 5 5 1 0 1 1 8						04/1996		Bosch et al.		424		489		RECEIVED JAN 16 2002 TELETYPE CENTER 1600/2900			
		A.B 5 5 4 3 1 3 3						08/1996		Swanson et al.		424		9.45					
		A.C 5 5 5 2 1 3 3						09/1996		Lambert et al.		424		9.52					
		A.D 5 7 3 3 5 7 2						03/1998		Unger et al.		424		450					
		A.E 5 7 7 0 2 2 2						06/1998		Unger et al.		424		450					
		A.F 6 0 0 1 3 3 5						12/1999		Unger		424		9.52					
		A.G																	
		A.H																	
		A.I																	
		A.J																	
		A.K																	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS																			
		DOCUMENT NUMBER				PUBLICATION DATE				COUNTRY OR PATENT OFFICE				CLASS		SUBCLASS		TRANSLATION (YES/NO)	
		A.L																	
		A.M																	
		A.N																	
		A.O																	
		A.P																	
		A.Q																	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)																			
		A.R ✓ Bischoff, Joyce, <u>Perspectives Series: Cell Adhesion in Vascular Biology</u> , Journal of Clinical Investigation, Vol. 99, No. 3, February 1997, pp. 373-376, 3 pages																	
		A.S ✓ Fukuda et al., <u>A Peptide Mimic of E-Selectin Ligand Inhibits Sialyl Lewis X-dependent Lung Colonization of Tumor Cells</u> , Cancer Research, Vol. 60, January 15, 2000, pp. 450-456, 6 pages																	
		A.T ✓ Kiessling et al., Chapter 29, <u>Principles for Multivalent Ligand Design</u> , Annual Reports in Medical Chemistry, Vol. 35, 2000, pp. 321-330, 12 pages																	
EXAMINER										DATE CONSIDERED									
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.																			

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE					ATTY. DOCKET NO. MRD/53		SERIAL NO. 09/932,291	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					APPLICANT Cantrell, Gary L. et al.			
(37 CFR 1.98(b))					FILING DATE August 17, 2001		GROUP 1646	



U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	B.A								
	B.B								
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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
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B.L							
B.M							
B.N							
B.O							
B.P							
B.Q							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)	
✓ B.R	Lesley et al., <u>CD44 in inflammation and metastasis</u> , Glycoconjugate Journal, Vol. 14, 1997, pp. 611-622, 12 pages
✓ B.S	Martens et al., <u>Peptides Which Bind to E-selectin and Block Neutrophil Adhesion</u> , The Journal of Biological Chemistry, Vol. 270, No. 36, September 8, 1995, pp. 21129-21136, 8 pages
✓ B.T	McEver et al., <u>Leukocyte Trafficking Mediated by Selectin-Carbohydrate Interactions</u> , The Journal of Biological Chemistry, Vol. 270, No. 19, May 12, 1995, pp. 11025-11028, 4 pages

EXAMINER	DATE CONSIDERED
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SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

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SERIAL NO.
09/932,291

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Cantrell, Gary L. et
al.

(Use several sheets if necessary)
(37 CFR 1.98(b))

FILING DATE
August 17, 2001

GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C.A						
	C.B						
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	C.I						
	C.J						
	C.K						

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	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

✓	C.R	McEver, Rodger P., <u>Selectin-carbohydrate interactions during inflammation and metastasis</u> , Glycoconjugate Journal, Vol. 14, 1997, pp. 585-591, 7 pages
✓	C.S	Siegelman et al., <u>Activation and interaction of CD44 and hyaluronan in immunological systems</u> , Journal of Leukocyte Biology, Vol. 66, August 1999, pp. 315-321, 7 pages
✓	C.T	Torchilin et al., <u>Preservation of Antimyosin Antibody Activity After Covalent Coupling To Liposomes</u> , Biochemical and Biophysical Research Communications, Vol. 89, No. 4, August 28, 1979, pp. 1114-1119, 6 pages

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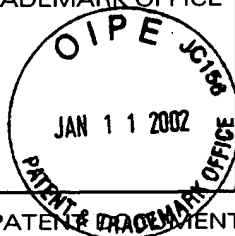
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	D.B						
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	D.L						
	D.M						
	D.N						
	D.O						
	D.P						
	D.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

D.R	✓	Zalipsky et al., <u>Peptide Attachment to Extremities of Liposomal Surface Grafted PEG Chains: Preparation of the Long-Circulating Form of Laminin Pentapeptide, YIGSR</u> , Bioconjugate Chemistry, Vol. 6, 1995, pp. 705-708, 4 pages
D.S	✓	Zinn et al., <u>Specific Targeting of Activated Endothelium in Rat Adjuvant Arthritis with A 99mTc-Radiolabeled E-Selectin-Binding Peptide</u> , Arthritis & Rheumatism, Vol. 42, No. 4, April 1999, pp. 641-649, 9 pages
D.T		

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